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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: NOVEL COMPOUNDS

(57) Abstract: The present invention relates to novel hydroxyethylamine compounds having Asp2 (β -secretase, BACE1 or Memapsin) inhibitory activity, processes for their preparation, to compositions containing them and to their use in the treatment of diseases characterised by elevated β - amyloid levels or β -amyloid deposits, particularly Alzheimer's disease.

PATENT COOPERATION TREATY

PCT





INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER ACTION as well		see Form PCT/ISA/220 s well as, where applicable, Item 5 below.							
MXG-PB60133										
International application No.	International filing date (day/mor	th/year)	(Earliest) Priority Date (day/month/year)							
PCT/EP2004/002644	11/03/200	4	14/03/2003							
Applicant										
·										
GLAXO GROUP LIMITED										
This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.										
This International Search Report consists	of a total ofs	heets.								
X It is also accompanied by	a copy of each prior art document	cited in this	report.							
Basis of the report a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.										
	The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).									
b. With regard to any nucle	otide and/or amino acid sequen	e disclosed	In the international application, see Box No. I.							
2. X Certain claims were fou	nd unsearchable (See Box II).									
3. Unity of invention is lacking (see Box III).										
4. With regard to the title,										
the text is approved as submitted by the applicant.										
HYDROXYETHYLAMINE COMPOUNDS HAVING ASP2 INHIBITORY ACTIVITY FOR THE TREATMENT OF ALZHEIMER'S DISEASE										
5. With regard to the abstract,										
X the text is approved as so	ubmitted by the applicant.									
the text has been establic may, within one month from	shed, according to Rule 38.2(b), by om the date of mailing of this Inter	this Authornational sear	ity as it appears in Box No. IV. The applicant rch report, submit comments to this Authority.							
6. With regards to the drawings,										
a. the figure of the drawings to be published with the abstract is Figure No										
as suggested by the applicant.										
as selected by this Authority, because the applicant failed to suggest a figure.										
as selected by this Authority, because this figure better characterizes the invention.										
b none of the figures is to b	be published with the abstract.									

INTERNATIONAL SEARCH REPORT

International Application No PCT 2004/002644

C07C317/36 A. CLASSIFICATION OF SUB. IPC 7 CO7C311/0 C07D2O7/27 C07D209/42 C07C323/36 A61K31/275 A61K31/402 C07D231/12 A61K31/18 CO7D213/75 A61K31/4402 A61K31/4406 A61K31/425 A61K31/404 A61K31/415

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC $\frac{7}{1000}$ C07C C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data, PAJ, BEILSTEIN Data

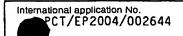
Category °	Citation of document, with Indication, where appropriate, of the	ne relevant passages	Relevant to claim No.			
X	WO 02/02505 A (ELAN PHARM INC) 10 January 2002 (2002-01-10) cited in the application page 69, line 31 - page 76, li 1		1-8			
X Furt	ther documents are listed in the continuation of box C.	Patent family members are liste	d in annex.			
*Special categories of cited documents: *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search		or priority date and not in conflict wi cited to understand the principle or invention *X* document of particular relevance; the cannot be considered novel or cann involve an inventive step when the *Y* document of particular relevance; this cannot be considered to involve an document is combined with one or ments, such combination being obvin the art. *&* document member of the same pate	 *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family Date of mailing of the international search report 			
	18 August 2004	21/09/2004 Authorized officer				
Name and	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswljk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Cooper, S				

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INTERNATIONAL SEARCH REPORT International Application No PCT 2004/002644 C.(Continuation) DOCUMENT IDERED TO BE RELEVANT Relevant to claim No. Category * Citation of document, with indication, where appropriate, of the relevant passages

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INTERMINONAL SEARCH REPORT



Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)						
This international Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:						
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely: Although claim 7 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.						
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:						
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).						
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)						
This international Searching Authority found multiple inventions in this international application, as follows:						
1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.						
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.						
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:						
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:						
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.						

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No PCT 2004/002644

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